# REMARKS

The Examiner has restricted the above-identified application into four different inventions and required election of one of them. These four inventions have been identified as follows:

Group I	Claims 1-40 and 125-126	An apparatus and method for providing an image output signal in response to an image input signal, comprising: a saturation bias identification circuit having a range of useful grey-levels output responsive to the image input signal; and a cumulative distribution function scaling circuit having a scaled output responsive to the useful grey-levels output, classified in class 382, subclass 298.
Group II	Claims 41-65	A device providing an image output frame in response to an image input frame, the device comprising: a housing having a printed circuit board contained therein; an input connector attached to the housing and having a conductive path attached to the printed circuit board; an output connector attached to the housing and having a conductive path attached to the printed circuit board; an integrated circuit placed on the printed circuit board, the integrated circuit having an output responsive to the image input frame, the output comprising transformed pixel frame data; and wherein the device does not require a keyboard to operate, classified in class 382, subclass 145.
Group III	Claims 66-106 and 127-128	A method for providing an image output frame in response to an image input frame, the method comprising the steps of: segmenting the image input frame into one or more zones; determining a plurality of grey-level values for a pixel based, at least in part, on grey-level data contained within the one or more zones; and, calculating a composite enhanced pixel grey-level value for the pixel by blending the plurality of grey-level values, classified in class 382, subclass 284.
Group V	Claims 107-124 and 129	A method for providing an image output frame in response to an image input frame, the method comprising the steps of: constructing an equalized lookup table for the image input frame; constructing an equalized lookup table for a zone within the image input frame; and, utilizing the lookup tables to build a balanced lookup table, classified in class 358, subclass 3.23.

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Solely for purposes of efficiency, and without acknowledging whether such a restriction is proper, Applicant provisionally elects Group I, covered by Claims 1-40 and 125-126, drawn to an apparatus and method for providing an image output signal in response to an image input signal, comprising: a saturation bias identification circuit having a range of useful grey-levels output responsive to the image input signal; and a cumulative distribution function scaling circuit having a scaled output responsive to the useful grey-levels output, classified in class 382, subclass 298.

Applicant reserves its right to reintroduce the non-elected claims at the appropriate time. Should anything further be required, a telephone call to the undersigned at (312) 226-1818 is respectfully requested.

Respectfully submitted,
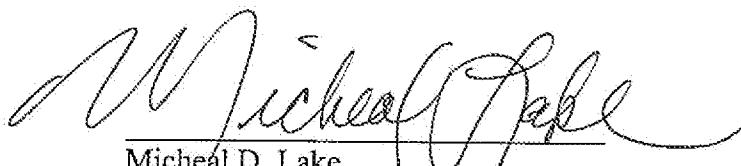
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